

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

LISTING No. *3226-1577:101

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CATEGORY: *Ceiling Dampers

LISTEE: Ward Industries, A Division of Hart and Cooley, Inc., 11 Riverview Drive, Monessen, PA 15062
Contact: Mark Lauer (616) 546-3941 FAX (616) 392-4829

DESIGN: Models W50-CRD and W55-CRD ceiling dampers. Ceiling dampers function as a heat barrier in air handling penetrations through fire resistive ceilings and are intended to maintain the fire resistive integrity of the ceiling. Frame, blades, hinges, and link plate are roll-formed No. 22 Ga. galvanized steel. Size limitations as follow:

Model	Max. Width x Length	Min. Width x Length
W50-CRD	24" x 24"	5" x 5"
W55-CRD	24" Diameter	5" Diameter
W55-CRD with air diffuser	16" Diameter	5" Diameter

Refer to listee's printed data sheet for additional detailed product description, installation and operational considerations.

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, and UL label.

APPROVAL: Listed as ceiling dampers for installation inside duct outlets and return air plenums in fire resistive floor-ceiling or roof-ceiling assemblies with a restrained or unrestrained assembly rating of 3 hours or less. *Refer to listee's Installation Instruction Manual for details

NOTE:

1. Leakage rating not evaluated. Refer to CSFM Listing Category 3230 for listed leakage dampers.
2. Formerly *3225-1577:101

XLF: 3226-1417:101, Formerly 3225-1417:101

*Corrected 02-26-04



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **FEBRUARY 26, 2004**

*Listing Expires **June 30, 2003***

Authorized By: **DIANE K. AREND, Senior Deputy
Program Manager**